

SEQUENCE LISTING

<110> University of South Florida

<120> INHIBITION OF SHIP TO ENHANCE STEM CELL HARVEST AND
TRANSPLANTATION

<130> 1372.160PRC

<160> 14

<170> PatentIn version 3.2

<210> 1

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity
and good knockdown against the human SHIP1 cDNA sequence.

<400> 1

gcctgttgtc atccattga

19

<210> 2

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity
and good knockdown against the human SHIP1 cDNA sequence.

<400> 2

ataagttggt gatcttggt

19

<210> 3

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity
and good knockdown against the human SHIP1 cDNA sequence.

<400> 3

gccacatctg tactgacaa

19

<210> 4

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity
and good knockdown against the human SHIP1 cDNA sequence.

<400> 4
agacaggcat tgcaaacac 19

<210> 5
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> SHIP1 siRNA target sequences. Predicted to have good specificity
and good knockdown against the human SHIP1 cDNA sequence.

<400> 5
acatcactca ccgcttcac 19

<210> 6
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> SHIP1 siRNA target sequences. Predicted to have good specificity
and good knockdown against the human SHIP1 cDNA sequence.

<400> 6
tcttaactac cgtgtggat 19

<210> 7
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> SHIP1 siRNA target sequences. Predicted to have good specificity
and good knockdown against the human SHIP1 cDNA sequence.

<400> 7
aatacgcta caccaagca 19

<210> 8
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> SHIP1 siRNA target sequences. Predicted to have good specificity
and good knockdown against the human SHIP1 cDNA sequence.

<400> 8
gtaccagcga catcatgac 19

<210> 9
<211> 19
<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 9

gcgacatcat gacgagtga

19

<210> 10

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 10

aggacagatt gagtttctc

19

<210> 11

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 11

ggtgctatgc cacattgaa

19

<210> 12

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 12

gtttggtgag actcttcca

19

<210> 13

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> SHIP1 siRNA target sequences. Predicted to have good specificity and good knockdown against the human SHIP1 cDNA sequence.

<400> 13

agacggagcg tgatgaatc

19

<210> 14
 <211> 4870
 <212> DNA
 <213> Human

<400> 14
 gtggaggggc ctccgctccc ctcggtggtg tgtgggtcct gggggtgcct gccggcccag 60
 ccgaggaggc ccacgcccac catggtcccc tgctggaacc atggcaacat caccgctccc 120
 aaggcggagg agctgctttc caggacaggc aagggcacga gcttcctcgt gcgtgccagc 180
 gagtccatct cccgggcata cgcgctctgc gtgctgtatc ggaattgcgt ttacacttac 240
 agaattctgc ccaatgaaga tgataaattc actgttcagg catccgaagg cgtctccatg 300
 aggttcttca ccaagctgga ccagctcatc gagttttaca agaaggaaaa catggggctg 360
 gtgacccatc tgcaataccc tgtgccgctg gaggaagagg acacaggcga cgaccctgag 420
 gaggacacag tagaaagtgt cgtgtctcca cccgagctgc cccaagaaa catcccgtg 480
 actgccagct cctgtgaggc caaggagggt cctttttcaa acgagaatcc ccgagcgacc 540
 gagaccagcc ggccgagcct ctccgagaca ttgttccagc gactgcaaag catggacacc 600
 agtgggcttc cagaagagca tcttaaggcc atccaagatt atttaagcac tcagctcgcc 660
 caggactctg aatttgtgaa gacagggctc agcagtcttc ctcacctgaa gaaactgacc 720
 acactgctct gcaaggagct ctatggagaa gtcatccgga ccctcccatc cctggagtct 780
 ctgcagaggt tatttgacca gcagctctcc ccgggcctcc gtccacgtcc tcaggttcct 840
 ggtgaggcca atcccatcaa catggtgtcc aagctcagcc aactgacaag cctgttgtca 900
 tccattgaag acaagggtcaa ggccttgctg cacgaggggtc ctgagtctcc gcaccggccc 960
 tcccttatcc ctccagtcac ctttgagggtg aaggcagagt ctctggggat tcctcagaaa 1020
 atgcagctca aagtcgacgt tgagtctggg aaactgatca ttaagaagtc caaggatggt 1080
 tctgaggaca agttctacag ccacaagaaa atcctgcagc tcattaagtc acagaaattt 1140
 ctgaataagt tggatgatctt ggtggaaaca gagaaggaga agatcctgcy gaaggaaat 1200
 gtttttgctg actccaaaaa gagagaaggc ttctgccagc tcctgcagca gatgaagaac 1260
 aagcactcag agcagccgga gcccgacatg atcaccatct tcacggcac ctggaacatg 1320
 ggtaacgccc cccctcccaa gaagatcacg tcctggtttc tctccaaggg gcagggaaaag 1380
 acgcgggacg actctgcgga ctacatcccc catgacattt acgtgatcgg caccgaagag 1440
 gacccccctga gtgagaagga gtggctggag atcctcaaac actccctgca agaaatcacc 1500
 agtgtgactt ttaaaacagt cgccatccac acgctctgga acatccgcat cgtggtgctg 1560

gccaaagcctg agcacgagaa ccggatcagc cacatctgta ctgacaacgt gaagacaggc	1620
attgcaaaca cactggggaa caaggagacc gtgggggtgt cgttcatgtt caatggaacc	1680
tccttagggg tctgcaacag ccacttgact tcaggaagtg aaaagaaact caggcgaaac	1740
caaaactata tgaacattct ccggttctct gccctgggag acaagaagct gagtcccttt	1800
aacatcactc accgcttcac gcacctcttc tggtttgggg atcttaacta ccgtgtggat	1860
ctgcctacct gggaggcaga aaccatcatc cagaaaatca agcagcagca gtacgcagac	1920
ctcctgtccc acgaccagct gctcacagag aggagggagc agaaggtctt cctacacttc	1980
gaggaggaag aaatcacgtt tgccccaacc taccgttttg agagactgac tcgggacaaa	2040
tacgcctaca ccaagcagaa agcgacaggg atgaagtaca acttgccttc ctggtgtgac	2100
cgagtctctt ggaagtctta tcccctggtg cacgtggtgt gtcagtctta tggcagtacc	2160
agcgacatca tgacgagtga ccacagccct gtctttgcca catttgaggc aggagtcaact	2220
tcccagtttg tctccaagaa cgggtcccggg actggtgaca gccaaaggaca gattgagttt	2280
ctcaggtgct atgccacatt gaagaccaag tcccagacca aattctacct ggagttccac	2340
tcgagctgct tggagagttt tgtcaagagt caggaaggag aaaatgaaga aggaagtgag	2400
ggggagctgg tgggtgaagtt tgggtgagact cttccaaagc tgaagcccat tatctctgac	2460
cctgagtacc tgctagacca gcacatcttc atcagcatca agtcctctga cagcgacgaa	2520
tcctatggcg agggctgcat tgcccttcgg ttagaggcca cagaaacgca gctgccccatc	2580
tacacgcctc tcacccacca tggggagttg acaggccact tccaggggga gatcaagctg	2640
cagacctctc agggcaagac gagggagaag ctctatgact ttgtgaagac ggagcgtgat	2700
gaatccagtg ggccaaagac cctgaagagc ctcaccagcc acgaccccat gaagcagtgg	2760
gaagtcacta gcagggcccc tccgtgcagt ggctccagca tcaactgaaat catcaacccc	2820
aactacatgg gagtggggcc ctttgggcca ccaatgcccc tgcaagtga gcagaccttg	2880
tcccctgacc agcagccac agcctggagc tacgaccagc cgcccaagga ctccccgctg	2940
gggccttgca ggggagaaag tcctccgaca cctcccggcc agccgcccac atcacccaag	3000
aagtttttac cctcaacagc aaaccggggt ctccctccca ggacacagga gtcaaggccc	3060
agtgacctgg ggaagaacgc aggggacacg ctgcctcagg aggacctgcc gctgacgaag	3120
cccagatgt ttgagaaccc cctgtatggg tccttgagtt ccttccataa gcctgctccc	3180
aggaaggacc aggaatcccc caaaatgccg cggaaggaa ccccgccctg cccggaaccc	3240
ggcatcttgt cgcccagcat cgtgctcacc aaagcccagg aggtgatcg cggcgagggg	3300
cccggcaagc aggtgcccgc gccccggctg cgctccttca cgtgctcacc ctctgccgag	3360

ggcagggcgg cgggcgggga caagagccaa ggggaagccca agacccccggt cagctcccag	3420
gccccggtgc cggccaagag gcccatcaag ccttccagat cggaaatcaa ccagcagacc	3480
ccgcccaccc cgacgcgcgc gccgcgcgtg ccagtcaaga gcccggcgggt gctgcacctc	3540
cagcaactcca agggccgcga ctaccgcgac aacaccgagc tcccgcacatca cggcaagcac	3600
cggccggagg agggggccacc agggcctcta ggcaggactg ccatgcagtg aagccctcag	3660
tgagctgcca ctgagtcggg agcccagagg aacggcgtga agccactgga ccctctcccc	3720
ggacctcttg ctggctcctc ctgcccagct tcctatgcaa ggctttgtgt tttcaggaaa	3780
gggcctagct tctgtgtggc ccacagagtt cactgcctgt gagacttagc accaagtgt	3840
gaggttgga gaaaaacgca caccagacgg gcaacaaaca gtctgggtcc ccagctcgt	3900
cttggtactt gggaccccag tgccctggtg agggcgccat tctgaagaaa ggaactgcag	3960
cgccgatttg aggggtggaga tatagataat aataatatta ataataataa tggccacatg	4020
gatogaacac tcatgatgtg ccaagtgtg tgctaagtgc tttacgaaca ttcgtcatat	4080
caggatgacc tcgagagctg aggtcttagc cacctaaaac cacgtgcccc aaccaccag	4140
tttaaaacgg tgtgtgttcg gaggggtgaa agcattaaga agcccagtgc cctcctggag	4200
tgagacaagg gctcggcctt aaggagctga agagtctggg tagcttggtt agggtaacaag	4260
aagcctgttc tgtccagctt cagtgcacac agctgcttta gctaaagtcc cgcgggttcc	4320
ggcatggcta ggctgagagc agggatctac ctggcttctc agttcttttg ttggaaggag	4380
caggaaatca gctcctattc tccagtggag agatctggcc tcagcttggg ctagagatgc	4440
caaggcctgt gccaggttcc ctgtgccctc ctcgagggtg gcagccatca ccagccacag	4500
ttaagccaag ccccccaaca tgtattccat cgtgctggta gaagagtctt tgctgttgct	4560
cccgaaagcc gtgctctcca tcctggctgc cagggagggg gggcctcttg gttccaggct	4620
cttgaaatag tgcagccttt tcttctatc tctgtggctt tcaactctgc ttccttggtt	4680
attaagagaa tagatgggtg atgtctttcc ttatgttgct ttttcaacat agcagaatta	4740
atgttgggag ctaaattccac tgggtgtgtg gaatgcagaa gggaatgcac cccaccttcc	4800
catgaatgaa gtctgcgtac caataaattg tgccttctcc tccaaaaaaa aaaaaaaaaa	4860
ataaaaaaaaa	4870